

The Structure of Nucleons, by D. I. Blokhintsev,  
V. S. Barashenkov, B. M. Barbashov, 21 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXVIII, No 3,  
1959, pp 417-.

AIP  
Sov Phys-Uspekhi  
Vol II (68), No 4

Sci

Nov 60

*132,162*

On the Interaction Between K-Mesons, Pions,  
Nucleons and Hyperons, by V. S. Barashenkov,  
4 pp.

RUSSIAN, rpt, publ by Joint Institute for  
Nuclear Research, USSR, 1958.

AEC NP-Tr 87

Sci - Nuclear Physics  
Jun 58

65,982

Elastic Scattering and Intrinsic Structure of  
Elementary Particles, by D. I. Blokhintsev,  
V. G. Barashnikov, V. G. Grishin, 14 pp.

RUSSIAN, rpt, publ by Joint Institute for Nuclear  
Research USSR, 1958.

AEC NP Tr 83

Sci - Physics  
Jun 58

65,980

The Multiple Production of Strange Particles,  
by V. S. Barashenkov, 9 pp.

RUSSIAN, rpt, publ by Joint Institute for  
Nuclear Research, USSR, 1957.

AEC NP-Tr 90

Sci - Physics  
Jun 58

65,985

Concerning Some Possibilities of Formulation of a  
Relativistically Invariant Theory of Extended Par-  
ticles, by V. B. Barashenkov, 3 pp.

RUSSIAN, no par, ~~Zhur Eksp. i Teoret. Fiz.~~  
Vol. XXXII, No 3, 1957, pp 566-569.

Amer Inst of Phys  
Sov Phys-JETP  
Vol. V, No 3

Sci - Physics  
Nov 57

55, 831

Statistical Weight of a System of Particles With  
Arbitrary Spins, by V. S. Barashenkov, B. M.  
Barbashev, 17 pp.

Sep

RUSSIAN, rpt, /1957, publ by Joint Inst for Nuclear  
Research.

SLAR-2763

FOO X-2.568  
AEC Tr 3009

Sci - Nuclear Physics  
Oct 57

54, 276

Theory of Monilocal Interaction, by V.S.Barashenkov  
4 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXI  
No 5, pp 837-841.  
Nov 1956

49,866

Amer Inst of Phys  
Soviet Phys, JEFF  
Vol IV, No 5

Sci - Phys  
Jul 57

Five Hours With Yuriy Gagarin, by P. Barashev,  
V. Peskov.

RUSSIAN, np, Komsomol'skaya Pravda, Apr 15, 1961,  
p 4.

\*ATIC MCL-1151/1

USSR  
~~Biog~~  
Jun 1961

C-1051

(RU-REF/1)

A 3 Guards Private as Test Pilot, by D. Vashkov,  
5 pp.

RUSSIAN, pp. Komsomol Pravda, Moscow, 23 Aug 1959,  
p 3.

JPRS-1101-D

USSR  
Mil  
Feb 60

107,145

39  
Methods of Separate Collection of Marine Phyto-  
and Zooplankton, by G. K. Barashkov. 7 pp.  
RUSSIAN, per, Trudy Vses Gidrobiol Obshch,  
Vol 11, 1961, pp 416-418.  
Dept of Navy HOO Tran 449

*G. K. Barashkov*

Sci-B&M  
Dec 69

397,401

The Carbohydrates of Some Species of Diatoms, by  
G. K. Karashkov, 10 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXI, No 1,  
1956, pp 148-150.

SIA 59-10146

Sci - Chem  
Sep 59  
Vol 2, No 2

97939

(SF-1878)

First All-Union Scientific-Technical Conference of Seaweed Industry (17-21 October 1960).  
by G. K. Barashkov, 5 pp.

RUSSIAN, par, Botanicheskiy Zhurnal, Vol. XLVI,  
No 3, 1961, pp 463-465.

JPRS 13669

193, 491

USSR  
Econ  
May 62

Chemistry of Diatomic Algae (Diatomeae), by  
G. K. Barashkov, 15 pp.

RUSSIAN, per, Botan Zhur, Ak Nauk SSSR, Vol XLV,  
No 9, 1960, pp 1350-1356. 9680512

FTD-TT-63-192

Sci-Chem  
Apr 63

229,415

Chemistry of Blue-Green Algae (Cyanophyceae)  
by G. K. Barashkov, 17 pp.

RUSSIAN, per, Botan Zhur, Ak Nauk SSSR,  
Vol XLVI, No 3, 1961, pp 447-454. 9620513

FTD-TT-63-193

Sci-Biol & Med Sci

Apr 63

229,417

The Food Value of Diatomaceous Algae, by  
G. K. Barashkov.

RUSSIAN, per, Priroda, No 6, 1960, p 100.  
9059214

USDA Tr A-1375

Sci - Biol  
Dec 62

217500

Polarography of Anabasine, by S. G. Maironovskiy,  
N. V. Barashkova, F. D. Alashev, 5 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXV, No 2,  
1961, pp 435-443.

Cleaver-Hume Press

Sci

*182, 693*

Jan 62

A Polarographic Study of Iodomethyltrialkylsilanes,  
An Unusual Polarographic Maximum on the Iodomethyl-  
phenyldimethylsilane, by S. G. Mairanovskiy, V. A.  
Poncmarenko, N. V. Barashkova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,  
No 2, 1960, pp 387-390.

CB

Sci

152,994

May 61

Method of Calculating Inception Times in the  
Atmosphere in the Case of a Cloudless Day,  
by T. P. ~~XXXXXXXXXX~~, 17 pp.  
MOSCOW, 1951, Early Clay Center Observat.  
No 192, 1951, pp. 1-17. (217345)  
DIA REF ID: A-300

1951/17  
1951/17

1951/17

Experiment in Calculating the Daily Totals of  
Global Radiation According to Standard  
Observations, by Ye. P. Barashkova, 12 pp.

RUSSIAN, per, Trudy Glavnogo Spetsial'nogo Observatoriy  
Izmereniy. No. 6(124) 1959, pp. 8-13.

CIA 69-23701

*199, 702*

Sci  
Jan 62

Vol 4, No 12

Method of Calculating Longwave Fluxes in the  
Troposphere in the Case of Cloudless Sky.

by Ye.P. Barashkova.

RUSSIAN, per Trud. glav.geofiz. Obs., No. 152

1964, pp 68-80

NLL/6015.49 1965 F-320

*Ye. P. BARASHKOVA*

Sci -  
Aug 67

337-576

S-5606

(NY-3318).

Brain Development of Animals Irradiated by Roentgen Rays at Early Stages of Extrauterine Life, by Ye. H. Kosmarskaya, Yu. I. Barashnev, 8 pp.

RUSSIAN, per, *Pediatrics*, Vol XXXVII, No 12, 1959, pp 33-37.

JPRS-L-1173-II

Sci - Med, Radiology  
Feb 60

107698

(2287-B )

The Effect of a Single Irradiation With X-Rays on  
the Developing Rat Brain, by Ye. N. Kosmarakaya,  
and Yu. I. Barashnev, 13 pp.

RUSSIAN, per, Med Radiolog, No 2, Moscow, 1958,  
pp 23-31.

JPRS L-713-B

Sci - Med, Biology, Radiobiology  
Apr 59

84, 336

( NY-3427 ).

The Influence of Single X-Irradiation on the Growth  
of the Cerebral Capillaries, by Ye. I. Kosmarskaya,  
Yu. L. Barashnev, 9 pp.

RUSSIAN, per, Medit Radiolog, No 1, 1959.

JPRS 2286

Sci - Medicine

Oct 60

130,954

38  
The Measurement of Photoelasticity, by A. Sarat,  
19 pp.  
FRENCH, par, Machines de Mecaux, Vol XXXI, 1947,  
pp 333-339, 341. 969463B  
DDC RSIC-344

Sci - Phys  
Sep 64

267,846

R-2602

(DC-3255)

Growth of Agricultural Production, by Maria  
Stancu, Eugen Barot, 5 pp.

RESEARCH, Cf. Economic Research Notes and  
1944-1959, Bucharest, 1959, pp 443-465.

JPRS 3626

Rear - Romania

Spec - Agriculture and Forestry

122,768

Aug 60

DC-2151

Accounting and Statistics of Animal Husbandry, by  
E. Barat, 68 pp.

RUMANIAN, monograph, Editura Stiintifica, Bucharest,  
1957, pp 3-90.

US JPRS/DC-L-1192

EEur - Rumania  
Econ - Agriculture

Nov 58

77,227

Accounting and Statistics of Agricultural Plant  
Production (Rumania), by E. Barot, M. Bulgaru, 75 pp.

RUMANIAN, monograph, Evidente si Statistica Productiei  
Agricole Vegetale, Bucharest, 1956, pp 3-85.

US JERS/AM-L-341  
(NY-1792)

EEur - Rumania  
Econ - Agriculture

Sep 58

74, 079

Kabelkrane. 1956. by I. Y. Barat, V. I. Plavinskiy,  
Translated from the Russian edition.

DSIR 621.877  
Lending Lib Unit  
G. 11312

The Measurement of Photoelasticity, by  
A. Barat, 24pp.  
FRENCH, per, Revue Generale de Mecanique,  
Vol 31, 1947, pp 333-339, 341.  
CFSTI TT-6-71249.

*A. Barat*

341,657

Sci - Mathematics  
Mar 67

The Measurement of Photoelasticity, by  
A. Barat, 1967.  
FRENCH, see, Revue Generale de Mecanique,  
Vol 31, 1967, pp 333-339, 341.  
OFSTI DT-3-71289.

*A. Barat*

3, 67

Sci - Mathematics  
Mar 67

Energy Losses Undergone by Rare Gases' Fast  
Ions 30 KeV After Collision With Helium and Neon  
Atoms, by M. Barat, J. ... et al.  
FRENCH, par, Comptes Rendus, Vol CCLVIII, 1964,  
pp 5379-5382.  
NASA TT F-3941

Sci-Phys  
Oct 64  
U.S. GOVERNMENT ONLY

267,348

Possible Use of the FGF-2 Gas Analysis Apparatus  
as a Universal Instrument for Rapid Estimation of  
the Explosion Hazards of Various Vapor-Gas-Air  
Media, by A. N. Baratov, 3 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XXIII, No 5,  
1959, pp 1157-1158.

Consultants Bureau

Sci

Jun 60

117,758

Dependence of the Lower Limit of Flammability  
on Molecular Structure by N. V. Solov'yev,  
A. N. Baratov, 5 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIV,  
No 8, 1960, pp 1661-1670.

Cleaver-Burns Press

164,535

Sci

Aug 61

the Protection of the Population Under Condi-41  
 tions of medical, bacteriological and anti-  
 biological aspects, by Yevgenii Pavlovich Kovalev,  
 DSc.  
1941, Opt. Zashchita naseleniya v sluzhbu  
: Primeniya Akutnoye Mikrobiologicheskoye i Bakteriolo-  
gicheskoye Oruzhiya, 1942, pp 3-15; 505-557.  
 Ref. ID: A62815

*Gen. Lt. Georgii Fedorovich*

Doc - 1240

Jan. 51

257,515

Certain Characteristics of the Mineralized Skarns of  
the Southern Slope of the Gieser Range (Southern  
Tien Shan), by R. B. Baratov, N. A. Blokhina, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 2,  
1958, pp 335-338.

CB

Sci  
Nov 59

101,005

Increasing the Strength and Wear Resistance of  
Machine Parts by Roller-Burnishing, by Harold  
SPENCER

PRODUCTION, Harold & Shaw Inc. No. 3-1977  
pp 47-51.

British Iron and  
Steel Inst 1960  
(12.10.0)

76, 272

ISI - Eng  
20 Nov 58

COMPARATIVE METHODS FOR IMPROVING TECHNICAL-  
ECONOMIC INDICES, BY YU. LEVITERIV, I. BARATS,  
8 PP.

RUSSIAN, REKONSTRUKTSIYA I EKONOMICHESKAYA GAZETA,  
NO 46, 10 NOV 1962, P 25.

JPRS 17413

USSR  
ECON  
FEB 63

221,183

99

Determination of Surplus Heat Emission in the  
Design of Engine Room Ventilation in Motor  
Ships, by V. A. Barats,  
RUSSIAN, per, Tr. Len. Inst. Vodn. Transp.,  
No 35, 1962, p. 21  
NLL Ref: 9322.065 (2449)

V. A. BARATS

Sci-Mechanical Engr.  
Aug 68

362,173

DISORDER RECORD REVEALED AT THE SVETBOBORSK SULF-  
ITE-CELLULOSE PLANT, BY V. DANILOV, 6 PP.  
RUSSIAN, NO. LESNAYA PROMSHLENNOST', 9 MAY 1963,  
PP 3.

IPIS 20459

USSR  
ECON  
AUG 63

837.739

(DC-2800/61);

SF-1853/aj

Kolkhoz Activists Are Conducting Classes, by A. Barayev,

RUSSIAN, np, Sovetskiy Patriot, 27 Nov 1960, p 2.

\*JPRS

USSR

Mil - Civil Defense

3 May 61

61-23188

Baraev, A. I. and Zaitseva, A. A.  
SOIL CONSERVATION IN THE NORTHERN OBLAST  
OF KAZAKHSTAN (Zashchita Pochv v Severnykh  
Oblastyakh Kazakhstana). 17 May 61, 12p. (3 figs. Eng.  
Ger. Fr. summaries omitted). Trans. A-1260.  
Order from OTS or SLA \$1.60 61-23188

I. Baraev, A. I.  
II. Zaitseva, A. A.  
III. Trans-A-1260

Trans. of Vestnik Sel'skokhozyaistvennoi Nauki (USSR)  
1960, v. 5, no. 10, p. 117-122.

DESCRIPTORS: \*Soils, \*Agriculture, Erosion, USSR,  
Wheat.

Office of Technical Services

(Agriculture, TT, v. 6, no. 5)

Secondary Effects of Antibiotics. VI. Mycotic  
Superinfections, by G. Eickel, J. Barazzoni,  
4 pp.

FRENCH, par, Revue Medicale de la Suisse  
Romande, Vol LXXIII, 1953, pp 891-899.

NIR

Scientific - Medicine  
May 55 CTS

23,446

to Potassium Ions, by I. A. Bazun, 4 pp.

RUSSIAN, DOK, Dok Ak Nauk SSSR, Vol. CIV, No 5, 1961,  
pp 1213-1216.

AIES

Sci

198,089

May 62

Differentiation of the Effect of Chemical Stimuli on  
the Receptors and Sensory Fibers of the Small  
Intestine, by L. A. Baraz, V. M. Khayutin, 8 pp.

RUSSIAN, per, Fiz Zhur SSSR imeni I. M. Sechenova,  
Vol XLVII, No 10, 1961.

Elsevier Pub Co

Sci

Nov 62

216,368

The stimulating influence of certain monovalent  
ions on the intestinal receptors. The nature  
of the effects and the arrangement of the  
cation series, by L. A. Boraz, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,  
No 1, 1961, pp 234-237.

AIBS

Sci

184,549

Feb 62

(DC-6829)

Speech Made At the National Production Congress  
in Cuba, by Alvaro Barba  
OFFICIAL USE ONLY

CUBAN, np, Revolucion, No 839, 28 Aug 1961.

JPRS 8869

IA - Cuba

Pol

.....Dist. 51

89

Modifications of the Practice and of the  
Plant in Two Pusher Furnaces for the Control  
of the Decarburisation of Steels, by F. Barba, et  
al.  
ITALIAN, per, Met. Ital., Vol 6, 1967, pp 401-  
413.  
#RIBI 5899

*F. Barba*

Sci-Materials  
Oct 67

98  
Modifications to operating practice and to plant,  
caused in two pusher furnaces, for the purpose of  
controlling the decarburisation of steel, by

F. Barba.  
ITALIAN, Ver. Int Ital. No 6, 1967, pp 401-413.  
Hist 5899

Sci-Int  
Sep 68

3/3,612

F Barba

Action of Albuminoid Substances, Especially Thyroid  
Nucleoproteins, on Rabbit Thyroid, by M. G. Barba,  
8 pp.

PORTUGUESE, per, Lisboa Med, Vol XXI, 1944, p 410.

SLA Tr 2922

Sci - Medicine  
Feb 58

59,548

Sintering and Preparation of Iron Ores in the  
Works of "Altos Hornos de Vizcaya S.A.", by  
F. Millan, F. Barbadillo, 6 pp.

SPAINISH, per, Instituto del Hierro y del  
Acero, Vol III, No 1/3 1950, pp 47-53.

SIA 60-18824

Sci

Apr 61

146,139

An Analysis of the Effective Forces in the Breaking  
Zone in Relation to Certain Technological  
Parameters, by Barbakov, M. M. 8 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Tekh Tekstil  
Prom, No 1 (20), 1961.

Tek Inst

Sci

Oct 62

213,917

The Forces Acting on the Material in the Breaking  
Field of the Pair of Fluted Rollers of the Breaking  
Machine, by N. N. Suslov, M. M. Barbakov, 4 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Tekh Tekstil  
Prom, No 4(17), 1960.

Textile Institute

Sci

May 62

193,059

The Problem of Selecting the Most Efficient  
Diameter for the Fluted Rollers of Breaking  
Machines, by M. M. Sarbakov, 6 pp.

RUSSIAN, per, Iz Vsesnikh Ucheb Zaved, Tekn  
Tekstil Prom, No 2, 1961.

Tex Inst

Sci

Jan 63

220,243

(NY-6226)

Near-Periodic Solutions of Nonlinear Differential Equations, by I. Barbalat, 11 pp.

RUMANIAN, per, Comunicarile Academiei Republicii Populare Romine, Vol XI, No 2, 1961, pp 155-159, 161-165.

JPRS 9461

Sci - Math

Jul 61

157,118

(DC-5745)

Foreign Trade in 1960, by L. Barbalic, 8 pp.

SERBO-CROATIAN, par, Nova Trgovina, Vol XIV, No 3,  
1961, pp 163-166.

JPRS 6486

EEur - Yugoslavia

Econ

Jul 61

159, P58

(SF-1856)

Yugoslavia in Foreign Trade, by Ivo Barbalic, 5 pp.

CROATIAN, pp, Privredni Pregled, No 1725, 16 Sep 1961,  
pp 1, 3.

JPRS 11722

ESur - Yugoslavia

Econ

Jan 62

178,344

(DC-4533)

Yugoslavia's Scientific Contribution to the  
Development of Nuclear Power, by Ljubomir  
Barbalic, 4 pp.

CROATIAN, par, Privredni Pregled, Vol X, Aug 1960,  
p 2.

JPRS 6176

Sci - Nuc Phys

Nov 60

131,958

About Analogs of Ritzmarsh's Divisor Problem,  
by M. B. Barban.  
Sov. Math. Soc., Leningrad. Universitet. Vestnik.  
Seriya Matematika, Mekhanika i Astronomiya, No 4,  
1968, pp 5-13. 180004768-V  
SIS-64-146

Sci-math sci  
May 68

356,301

*M B Barban*

Complication in Antibiotic Treatment.  
by A. I. Barbanel'

RUSSIAN, no par, Voenno Med Zhurn, No 11,  
Moscow, Nov 1959, pp 63-64

US JPRS 21634

Sci

107,173

Jan 60

The Enthalpy of Formation of Strontium Arsenide  $Sr_3As_2$ , by S. M. Ariya, Kan Kho-in, Yu. Barbanal and G. M. Loginov, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 7, 1957, pp 1743-45.

Consultants Bureau

Sci - Chem

Oct 58

74, 119

Investigation of Forces in Extrusion of Ribber  
Panels from Aluminum Alloys, by R. I. Barbanel,  
M. Z. Yermanok, 14 pp.

RUSSIAN, per, Tsvetnyye Metally, No 12, Vol XXXIII,  
1960, pp 74-80. 9670249

ATIC MCL-922/1

Sci - Min/Metals

Jul 61

160,805

62-17788

Barbano, G., Barcelli, C., and Mattels, F. de.  
ELECTROCARDIOGRAPHIC CHANGES FOLLOWING  
TOBACCO SMOKING: NORMAL SUBJECTS, PATIENTS  
WITH DYSTONIC AND CORONARY DISORDERS.  
[1962] 3p.

Order from K-H \$4.00

K-H 8619-a

Trans. of Soc[ietà] Ital[iana di] Cardiol[ogia]. Atti,  
1954, v. 16, p. 105-107.

DESCRIPTORS: \*Tobacco, \*Cigarettes, Electrocardio-  
graphy, \*Diseases, \*Heart, \*Blood vessels.

(Biological Sciences--Pathology, TT, v. 8, no. 6)

I. Barbano, G.  
II. Barcelli, C.  
III. Mattels, F. de  
IV. K-H-8619-a  
V. Krcage-Hooker Science  
Library Associates,  
Detroit, Mich.

Office of Technical Services

R-379/64

The Problem of Introducing Color TV in the  
USSR, by A. M. Barbanakiy, A. N. Isayev, *907*  
RUSSIAN, per, Tekh Kino i Televiden, No 10,  
1964, pp 1-12.

*907*  
\*JPRS/DC-10920/Special

Sci - Elec  
Oct 64

Some New Type of Electric Arc. Part 4. Arcs With an Electrode Consisting of a Carbon Disc Rotating at High Speed, Partially Immersed in the Solution to be Examined and Part 5. Arcs With an Electrode Consisting of one or More Metal Discs Rotating at High Speed, by M. Pierucci, L. Barbanti-Silva, 14 pp.

ITALIAN, per, Nuovo Cimento (8), Vol XVII, 1940, pp 275-282.

AEC IGRL-T/C-74 141,590

Sci - Engr  
9 Mar 61

Aplasia of the Abdominal Muscle ~~Wall~~,  
Associated With Megalo-Ureter or Other Congenital  
Malformations, by V. Accordi, G. Barbareschi, 5 pp.  
FOR OFFICIAL USE ONLY  
ITALIAN, per, Riv Anat Par Oncol, Vol XVII,  
1960.

Navy Tr 3062/NMS 669

Sci - Med

191,628

Apr 62

(SF-1583)

Second Conference of the Ukrainian Botanical Society,  
by I. P. Belokon', A. I. Barbarich, V. V. Osychnyuk,  
9 pp.

RUSSIAN, per, Botanicheskiy Zhur, Vol XXXV, No 12,  
1960, pp 1828-1833.

JPRS 4570

Sci - Biol

May 61

152,660

FIBERGLASS BUILDING MATERIALS, BY T. N. BUEZARINA,  
K. P. SEROV, 172 PP.

RUSSIAN, EN, STEKLOVOLOKNISTYYE STROITEL'NIYE  
MATERIALY, MOSCOW, 1961, PP 1-168.

APR 18 1960

SCI - ENGINEERING  
APR 63

225,785

Ruberoid and Waterproofing Bands Based on  
Glass Fibers, by V. A. Ryabov, T. M. Barbarina,  
M. I. Steshenko, P. S. Kireyev, M. P. Sukhov,  
5 pp.

RUSSIAN, per, Steklo i Keramika, Vol XV, No 3,  
1960, pp 43-47.

CB

Sci  
Oct 60

130,512

Sealing Gasket, by M.J.B. Barbarou. 61  
FRENCH, par, Patent No 610,973, 21 Jun 1926.  
Dept of Navy Tr 4749/APL JAU T-1821

*Eng*  
Sci-~~474~~  
Jun 66

*M. J. B. Barbarou*

302,197

The Yesterday of Aviation, by N. Barbarov, 7 pp.

RUSSIAN, per, Yuniy Tekhnik, No 9, 1957,  
pp 34-36. *SIAGIBEN*

ATIC P-78-9646/III

(USSR Mil Rpt Dec 1957)

Sci - Aero - atomic  
Sep 58

73, 600

A Method of Calculating the Tractive Forces of the  
Driving Rolls for a Four-Drinior Wire (With Two  
Driving Rolls), by Yu. K. Barbarovich, 7 pp.

RUSSIAN, per, *Doklady Akad. Nauk SSSR*, Vol XXXIII, No 4,  
1958, pp 13-15.

SIA 59-15834

Sci  
Vol 59  
No 2, No 4

103,113

(ex-6608)

Activities of the Ukrainian Botanical Society  
in 1960, by A. I. Barbarych, V. V. Gaychnyuk,  
et al, *Tr. Ukrain. Bot. O-va.* 5 pp.

RUSSIAN, *pos. Ukrain. Vys. Botanichesk. Zhur.*  
*Bel. RVTB.* No. 3, 1961, pp 111-113.

JPRS 10476

Sci - Biology

173, 6 01

Nov 61

NY-60500

Second Congress of the Ukrainian Botanical  
Society, by A. I. Em Barbarych, 7 pp.

RUSSIAN, per, Dopovidi Ak Nauk Ukrain RSR, No 5,  
1960, pp 1132-1134.

JPRS 9199

Sci - Misc

Jun 61

153,749

Statistical Weight of a System of Particles With  
Arbitrary Spins, by V. S. Barashenkov, B. M.  
Barbashev, 17 pp.

Sep

RUSSIAN, rpt, /1957, publ by Joint Inst for Nuclear  
Research.

AEC Tr 3009

Sci - Nuclear Physics  
Oct 57

54, 276

The Conditions for the Existence of Limit  
Cycles, by B. A. Barbashin, V. A. Tsubyeva,  
13 pp.

RUSSIAN, per, Prik Matemat i Mekh, Vol XXIII,  
No 5, 1959, pp 826-835.

Pergamon Press

Sci

Apr 60

114,916

Stamping of Metal in the Flow Line of the Mill:  
Automatic Stamping of Hot Metal in a Blooming  
and Slabbing Mill, by G. S. Yakimenko, B. M.  
Barbushin.

GHEGAN, per, Metallurg, Vol VI, No 7, 1961,  
~~37-33-20-a~~

ME 224

Sci Eng  
Feb 63

222,440

Programmed Control of Systems With Random  
Parameters, by E. A. Barbashin, 9 pp.

RUSSIAN, per, Prik Matemat i Mekh, Vol XXV, No 5,  
1961.

~~PER~~Perzaganon Press

Sci  
Jul 64

263,493

A Method of Stabilizing Third-Order Control Systems  
with Large Amplifier Gains. I.

By E. A. Barinashin and V. A. Tabueva pp8

RUSSIAN, per Avtomat i Telemekh, Vol XXIII, No 10,  
1962. pp 1290-1297

ISA

Sci

340,600

Jul 63

on the Realization of Motion Along a Given Trajectory.  
By E.A. Barbashin, 8 pp.

RUSSIAN, per, Avtomat i Telemekh, Vol XIII, No 6.  
1961 pp 651 - 657.

ISA

*198, 134*

Sai  
Apr 62

The Method of Sections in the Theory of  
Dynamical Systems, by E. A. Barbasin.

RUSSIAN, per, Matemat Sbornik, Vol XXIX, (71)  
1951, pp 233-280.

Amer Math Soc

Sci-Math

Sep 63

344,207

On the Construction of Periodic Motions, by R. A.  
Barbashin, 12 pp.

RUSSIAN, per, Prikl Matemat i Mekh, Vol XXV, No 2,  
1961, pp 276-283.

PF

Sci

*172, 953*

Oct 61.

Estimating the Mean Square Deviation from a Given  
Trajectory, by E. A. Barbashin, 7 pp

RUSSIAN, per, Avtomat i Telemekh, Vol XXI, No 7,  
1960, pp 941-950

ISA

Sci  
Apr 61

144,632

62-10184

Barbaashin, E. A. and Krasovskii, N. N.  
ON THE EXISTENCE OF LYAPUNOV FUNCTIONS  
IN THE CASE OF ASYMPTOTIC STABILITY IN  
THE LARGE. [1961] [13]p. 5 refs.  
Order from OTS or SLA \$1.60 62-10184

I. Title: Lyapunov functions  
I. Barbaashin, E. A.  
II. Krasovskii, N. N.

Trans. of Prikladnaya Matematika i Mekhanika (USSR)  
1954, v. 18, p. 345-350.  
Another trans. is available from OTS \$1.60 as AD-  
AD-264 150, STL-TR-61-5110-20, May 61, 12p.

DESCRIPTORS: Satellite vehicle trajectories, \*Flight  
paths, \*Spheres, \*Stability, Motion, Functions, Per-  
turbation theory, Differential equations, Partial dif-  
ferential equations

Definitions on stability are given among which is in-  
cluded a detailed definition of stability in the large of  
two systems with time delay. Two theorems are stated  
with detailed proofs for solution of these systems.  
(Mathematics, TT, v. 8, no. 9) (over)

C225864

Office of Technical Services

On the Stability of a Variable-Structure Control  
System When the Sliding Conditions are Violated,  
by E. A. Barbashin, V. A. Tshuva, et al, 7 pp.

RUSSIAN, per, Avtomat i Telemekh, Vol XXIV, No 7,  
1963, pp 882-890.

ISA

Sci

249,236

Jan 64

On a Problem of the Theory of Dynamic Programming, by E.  
A. Barbashin, 16 pp.

RUSSIAN, per, Prikl Matemat i Mekh, Vol XXIV, No 6, 1960  
pp 1002-1012.

PP

164,730

Sci

Aug 61

A Method of Stabilizing Third-Order Control Systems  
With Large Gains. II., by N. A. Gaidachin, Izv.  
Sov. A. Nauka, 6 pp.

ISSN: 0013-788X, No. 5, 1962, pp 608-614.

ICA

245,964

Sci  
Jan 64

Application of Automatic Control Systems with variable  
Structure in the Control of a Class of Linear Static  
Systems

By L. A. Barbashin, I. N. Pechorina, pp. 5

RUSSIAN, bez, Avtomat i Telemekh, Vol XXIV,  
No 1, 1963, pp. 27 - 33

ISA

240-905

Sci.

Oct 63

S-1019/64

Stabilization of Control Systems, by  
Ye. A. Barbashin, Ye. I. Gerashchenko, 8 pp.  
RUSSIAN, per, Prik Matemat i Mekh, Vol XXVII,  
No 4, Jul-Aug 1964, pp 761-765.  
JPRS/NY-9402/SPECIAL

Sci - Math & Data Process  
NOV 64

On the Method of Stabilization of a Control System  
With Limited Permissible Values of the Regulator  
Parameters, by V. M. Eadkov, Ye. A. Darbashin, 14 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, OTN, Tekh Kibernet,  
No 2, 1964, kpp 121-128.

JPRS 25169

Sci  
Jun 64

262,237